

I. AMENDMENT

In the Specification:

[30] Also ~~a~~At time t_4 , the system transitions $\overline{\text{CAS}}$ to an inactive level, and, in response to this transition, the counter **14** increments the internal column address to COL 1 at time t_5 . COL 1 is the column address that the counter **14** "anticipates" to be the next external column address that the system will drive onto the address bus.

[39] At time t_{16} , the system drives the external column address COL 2, or any value other than COL 3, onto the address bus to signal the end of the page-mode read cycle. The comparator **18** compares the ~~valve-value~~ value on the address bus to the internal column address in the counter **14**. Because the ~~valve~~ value and address are unequal, the control circuit **24** determines that the system has terminated the page-mode read cycle. Therefore, the control circuit **24** disables the data-out buffer **34**, the counter **14**, or both, and the memory **26** awaits the next system command.

[43] In one embodiment, the page-mode read cycle is as described above except that the comparator **18** compares the external column address to the contents of the page length register/counter **16**. The system loads the ending column, here COL 3, into the length register/counter **16** before commencing the read cycle. Next, the system loads the initial column address COL 0 into the column address anticipation counter **14**, and the cycle proceeds as discussed above, except that the comparator **18** compares the external column address to the contents of the register/counter **16** instead of to the internal column address. As long as the external column address does not equal COL 3, the control circuit **24** determines that the page-mode cycle is still active. But when the external column address equals COL 3, the control circuit **24** terminates the page-mode read cycle. Therefore, the control circuit **24** disables, the data-out buffer **34** and/or the counter **14**, and the memory **26** awaits the next system command. Although in this embodiment the memory **26** would not output data stored in the ending column, here

COL 3, one can modify the memory **26** so that it would output data from the ending column.

In the Drawings:

Applicants enclose a Request for Drawing Change to correct the errors in the drawings.